

CURRICULUM VITAE

Name: **Jacques SCHOELLKOPF**
Born: August, 28th 1949 - Bron (69) France
Nationality: French
Occupation : **MANAGING DIRECTOR/ CHIEF SURVEYOR**
Brasilian Permanent Visa

Education MSc in Ocean Dynamics–National Museum of Natural History ParisVI,
Master Degrees in Oceanography, Geophysics, Statistics & Computer Sciences
Master in Theoretical Physics – Paris VI University,
Bachelor of Sciences in Mathematics & Physics - Grenoble University,

Experience: **Expert in Positioning, Survey, ROV & AUV. 40 years Experience in Marine Operations, Advanced Technologies and Research & Development –**

1976-83 **C.G.DORIS / Offshore Division: Head of Oceanographic Systems Dept.**
- Development of Advanced Systems for Sea-line CP inspection, operations supervision & control, cartography and metocean data acquisition & processing.
- Expert for Giant Concrete Platforms tow-out and Marine Operations .

1983-1992 **KNOWLEDGE SYSTEMS/ S2O Group: Founder & Director**
- Offshore Real-time Systems
- Contract-based R&D.

- Advanced Software Development (Artificial Intelligence).
- Management of R&D Projects (RISC Management, IRM, Process Control)
1992-1993 **McDERMOTT - ETPM / Evaluation & Methods Division: Chief Engineer**
- Method section Deputy Manager

- Organization and Knowledge Management
1993-2000 **S2O Consulting – MARINE & SUBSEA OPERATIONS - Director/ Expert**
-Marine Operations Consulting for Oil&Gas & Subsea Telecoms.

2000-present **ADVANCED SUBSEA sas –DEEPWATER SURVEY CONSTRUCTION SUPPORT – President/ Founder** - deep water Survey, Positioning, AUV services in relation with Oil&Gas field development.
-Deep Water Survey Construction Support – Contract-based R&D
-Operational Oceanography

2003-present **ADVANCED SUBSEA Inc –DEEPWATER SURVEY– President**

2008-present **ADVANCED SUBSEA do BRASIL Ltda – DEEPWATER SURVEY – Director**

2014-present **ADVANCED SUBSEA CXS - Sauzon Experimental Centre– Director**

Language: French - English - Portugese - German

Worldwide experience: West & South Africa, South America, Gulf of Mexico, North Sea, Russia.

Conferences: Numerous papers and contributions to Offshore Industry, Robotics & Artificial Intelligence conferences.



REFERENCES

ADVANCED PROJECTS MANAGEMENT

- * AUV for Light Subsea Intervention (2015-2016)
- * PRESAL36-Phase 2 JIP - High Resolution Ocean Current Model – The Lagrangian approach (2013-2016)
- * PRESAL36-Phase 1 JIP - High Resolution Ocean Current Model (2010-2014)
- * FPSO Hull, Mooring & Riser Inspection - UWILD (2011-2013)
- * AUV for Construction Support (2005-2013)
- * AUV for Drilling Support (2007-2010)
- * AUV for Metrology Services (2007-2008)
- * MONA- Marine Operation Advisor Virtual reality applied to marine operations (CEP&M S2O-DORIS)
- * IRM - EXPERT Expert system for IMR tasks (TOTAL-Bureau Veritas-S2O)
- * NEMO – Real-time Expert System (CEP&M S2O-DORIS)

CONTRACT MANAGEMENT

- * DeepWater M&L Field Development. Positioning & Survey Support services, As-trenched/ As-built (REPSOL 2012-2013)
- * Total E&P Frame Contract Management (2005-2012)
- * Positioning, Survey & ROV Contracts for J-Lay DP III Vessel: SAIBOS FDS,: Specification of services, bidder list, tender technical & financial evaluation, subcontractors selection, contract management, claim analysis (SAIBOS 2001/ 2002)
- * Positioning, Survey & ROV Contracts for DLV CASTORO 8: Specification of services, bidder list, tender technical & financial evaluation, subcontractors selection, contract management, Invoicing analysis, claim analysis.(SAIBOS 1996/ 2002)
- * Resident Project Manager for CPC-Marine Terminal Offshore Works: RUSSIA (BOS/SCO 2000)

SPECIFICATIONS & PROCEDURES

- * TOTAL E&P: Rewriting of Surface Positioning, Subsea Positioning & Survey General Specifications (TOTAL 2007)
- * USAN: Rewriting of Surface Positioning, Subsea Positioning & Survey Specifications (TOTAL 2006)
- * USAN: Redaction of Acoustic Frequency Management Specification (TOTAL 2006)
- * AKPO Project Surveyor: Review of Survey procedures (TOTAL 2005)
- * DALIA Project Surveyor: Review of Positioning, Survey and Metrology procedures (TOTAL 2005)
- * DALIA- Review of LBL Array Deployment & Calibration procedures (TOTAL 2005)
- * MOHO-BILONDO- Review of LBL Array Deployment & Calibration procedures (TOTAL 2005)
- * ROSA- Review of LBL Array Deployment & Calibration procedures (TOTAL 2005)
- * AMENAM AMP2 Review of Survey procedures (TOTAL 2005)
- * YADANA W3 Review of Survey procedures (TOTAL 2005)
- * DeepWater DALIA SURF Review of LBL work procedures (TOTAL 2004)
- * DeepWater AKPO Review of Survey Positioning technical proposals (TOTAL 2004)
- * DeepWater AKPO Drilling Review of technical proposals (TOTAL 2004)
- * DeepWater MATTERHORN TLP LBL Pile Positioning Method Statement (TOTAL 2003)
- * BESPS/ NC41 Subsea Metrology & Pile Installation Procedure (SAIPEM/DORIS 2003)
- * OKPOHO Specifications & Positioning Procedures for Field Development (SAIPEM 2003)
- * DeepWater CANYON EXPRESS Positioning Method Statement, DP & ROV interfacing specifications (SB 2001)
- * DeepWater GIRASSOL Positioning Method Statement, DP & ROV interfacing specifications (SAIBOS 2001)
- * DeepWater RONCADOR Tender: Positioning, Survey procedures & installation Method Statement (SAIBOS 2000)
- * DeepWater BONGA Tender: Positioning, Survey procedures & installation Method Statement (SAIBOS 2000)
- * AGIP FOUKANDA/ MWAFI Templates Acoustic Metrology using ROV (SAIBOS 2001)
- * KOMBI procedure & installation by ROV of initiation hold back cable sling (-74m) (SAIBOS 98)
- * AGIP KITINA Development & operation of a dedicated tool for trenching a dig on Jacket location (SAIBOS 97)
- * AGIP KITINA Specifications & Procedures for 7000 T jacket docking (SAIBOS 97)
- * MOBIL USARI Specifications & Positioning Procedures for installation of 2 jackets (SAIBOS 96)
- * ELF N'KOSSA Specifications & Procedures for Positioning, Survey & ROV Support (COFLEXIP 96)
- * MOBIL ZAFIRO Specification & Procedures for Positioning, Survey & ROV Support (COFLEXIP 96)

CONSTRUCTION SUPPORT & OPERATION SUPERVISION

- * BONGKOT Overall Survey QC Management for Field Development Operations (PTTEP 2010-2011)
- * DeepWater AKPO Project Surveyor – Coordination of Supervision team (TOTAL 2006-2010)

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ADVANCED SUBSEA Inc

LA GRANDE ARCHE

Sauzon Experimental Center

Largo Sao Francisco de Paula,42- Centro

2425 West Loop South, Ste 200

92044 Paris La Defense Cedex

56360 Sauzon

Rio de Janeiro RJ - CEP 20051-070

Houston Texas 77027-4205



- * DeepWater AKPO Project Surveyor – Supervision of AKPO FPSO Installation (TOTAL 2008)
- * DeepWater MOHO Project Surveyor – Coordination of Supervision team (TOTAL 2007-2008)
- * DeepWater MOHO Project Surveyor – Supervision of MOHO FPU Installation (TOTAL 2007)
- * DeepWater AKPO follow-up of LBL deployment & Calibration (TOTAL 2006)
- * DeepWater DALIA Project Surveyor – Coordination of Supervision team (TOTAL 2005-2007)
- * DeepWater DALIA Project Surveyor – Supervision of DALIA FPSO Installation (TOTAL 2006)
- * DeepWater ROSA follow-up of LBL deployment & Calibration (TOTAL 2005)
- * Acoustic Rig Positioning in Deep water (TEPA- Total Congo)
- * AMENAM AMP2 Jacket Installation (TOTAL EPNL 2005)
- * YADANA W3 sealine and Jacket Installation (TOTAL Burmah 2005)
- * DeepWater DALIA Supervision of LBL Array deployment & Calibration (TOTAL 2004)
- * DeepWater MATTERHORN TLP Pile Installation (TOTAL 2003)
- * BESPS/ NC41 Subsea Metrology & Pile Installation (SAIPEM/DORIS 2003)
- * DeepWater CANYON EXPRESS Construction Support Vessel Management (SB 2001-2002)
- * AGIP FOUKANDA/ MWAFI Templates Acoustic Metrology using ROV (SAIBOS 2001)
- * KOMBI pipelay vessel construction support: Positioning, Survey & ROV Support (SAIBOS 99)
- * ZAFIRO pipelay vessel construction support: Positioning, Survey & ROV Support (SAIBOS 99)
- * MOBIL OSO 2Y2 - 3 jackets installation (SAIBOS 98)
- * ZATCHI ZAF4 jacket installation (SAIBOS 98)
- * TRANSCO USA pipelay vessel construction support: Positioning, Survey & ROV Support (SAIBOS 98)
- * AGIP KITINA 7000T jacket docking operation (SAIBOS 97)
- * AGIP KITINA pipelay vessel construction support (SB 97)
- * AGIP KITINA Jacket Mudmat area cleaning (Agip Recherches Congo/SAIBOS 97)
- * MOBIL USARI High accuracy jackets installation (SAIBOS 96)
- * ELF N'KOSSA CSO Alliance Positioning, Survey & ROV Support (COFLEXIP 96)
- * TEXPAN BAGRE B Survey & Subsea Inspection (SAIBOS 95)
- * ARIANE 2 Telecom Post-lay burial operations - WROV(Alcatel 95)
- * SEA-ME-WE 2 Telecom Post-lay burial operations - CRAWLER (Alcatel 95)
- * SEA-ME-WE 2 Post-lay burial operations - CRAWLER (Alcatel 94)
- * MOBIL NIGERIA ROV CP survey of 330km of partly buried pipelines
- * ZAKUM FIELD UAE Seabed survey and Subsea Coring (TOTAL-CFP 81)
- * NINIAN CENTRAL PLATFORM Tow-out & installation (CG DORIS)
- * GAROUPA-NAMORADO Well-heads relocation and marking (PETROBRAS 76-80)

STUDIES & ORGANISATION

- * AKPO Acoustic Rig Positioning, Nasnet based Method Development for DW Discovery
- * DeepWater Acoustic Rig Positioning Method Development for Leiv Eriksson, Saipem 10K
- * "Hybrid" Metrology Tool and Procedure Development
- * "Hybrid" ultra long range LBL positioning Methods for Deepwater Construction (2001-2002)
- * Use of Underwater GPS for Deepwater Construction Support (2001)
- * Hipap versus Sonardyne "big head" comparison study in deepwater (2001)
- * SAIBOS FDS Installation Monitoring System (2000)
- * CSO Alliance & Flexservice1 Installation Monitoring System (1996)
- * Organisation of Knowledge Management/ Method Dpt (Mc Dermott-ETPM 1993)
- * "IRM Expert" specifications IMR (Bureau Veritas DTO)
- * "Marine Operation Advisor" specifications (Alcatel - Doris Engineering)
- * Oceanographic study for KOLE field (ELF SEREPCA)
- * Study for deployment of 5 semisub oceanographic buoys offshore Brazil (PETROBRAS)

SOFTWARE & SYSTEMS ENGINEERING

- * Maureen TSG weather & position monitoring system (Kishorn-C.G. Doris)
- * IFA 2000 cable laying and trenching supervision system (EDF)
- * Flexible pipe laying vessel supervision system FS III (COFLEXIP)
- * Environmental data acquisition and processing systems MURUROA (CEA-DAM)
- * ROV CP survey data acquisition & processing system NIGERIA (MOBIL OIL-DORIS/SECCO)

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